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#### WHAT IS CLAIMED IS:

5 1. A method for forming a double containment pipeline section comprising:

adhering granular material on a first face of a tape; wrapping the tape around a primary pipeline section; and forming a secondary pipeline section around the wrapped primary pipeline section, wherein the granular material defines an annulus between the primary and secondary pipeline sections.

- 2. A method as recited in claim 1 wherein forming comprises defining an annulus between the primary and secondary pipeline sections having a radial thickness no greater than about 1 mm.
- 3. A method as recited in claim 1 wherein wrapping comprises wrapping the tape around the primary pipeline section sandwiching the granular material between the tape and the primary pipeline section.
  - 4. A method as recited in claim 1 wherein wrapping comprises:
- wrapping the tape around the primary pipeline section with the granular material on the outside of the tape; and

wrapping a second sealing tape over the granular material sandwiching the granular material between the two tapes.

30 5. A method as recited in claim 1 wherein forming comprises:

wrapping a resin embedded material over the wrapped tape; and

curing the resin embedded material forming a secondary pipeline section.

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6. A method as recited in claim 1 further comprising: forming a primary pipeline section from resin embedded material; and

partially curing the primary pipeline section prior to wrapping the tape having the adhered granular material.

7. A method as recited in claim 1 further comprising:
10 forming a primary pipeline section from resin embedded material;

sealing off the resin embedded material prior to wrapping the tape having the adhered granular material; and

curing the formed primary and secondary pipeline sections.

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- 8. A method as recited in claim 7 wherein sealing off the resin embedded material comprises wrapping the formed primary pipeline section with a plastic tape.
- 9. A method as recited in claim 1 wherein adhering granular material to the tape comprises pulling a tape having a tacky adhesive on a first face through a container of granular material adhering a layer of granular material on the first face.
- 25 10. A method as recited in claim 1 wherein adhering granular material to the tape comprises sprinkling granular material on a face of the tape having a tacky adhesive.
- 11. A method as recited in claim 1 wherein adhering 30 comprises adhering sand on a first face of a tape.
  - 12. A method as recited in claim 1 wherein wrapping a tape around a primary pipeline section comprises wrapping a tape around a pipe fitting.

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- 13. A method as recited in claim 1 further comprising helically winding a pair of spaced apart wires around the primary pipeline section so as to be in contact with the granular material.
- 14. A method as recited in claim 1 wherein the granular material comprises particles and wherein a majority of said particles are in contact with the primary pipeline section.
  - 15. A method for forming a double containment pipeline section comprising:

wrapping a tape having a tacky adhesive on one face around 15 a primary pipeline section with the face having the tacky adhesive on the outside;

applying a granular material on the taped pipeline section, adhering a layer of granular material on the tacky adhesive; and

forming a secondary pipeline section over the granular material layer wherein the granular material layer defines an annulus between the primary and secondary pipeline section.

- 16. A method as recited in claim 15 wherein the granular material comprises particles wherein a majority of said particles are in contact with the secondary pipeline section.
  - 17. A method as recited in claim 15 section wherein forming comprises defining an annulus between the primary and secondary pipeline sections having a radial thickness no greater than about 1 mm.
  - 18. A method for forming a double containment pipeline section comprising:

applying a layer of adhesive over primary pipeline 35 section;

applying a granular material on the adhesive forming a permeable layer adhered around the primary pipeline section; and

forming a secondary pipeline section over the granular material covered primary pipeline section wherein the granular material defines an annulus between the primary and the secondary pipes.

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19. A method as recited in claim 18 section wherein forming comprises defining an annulus between the primary and secondary pipeline sections having a radial thickness no greater than about 1 mm.

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- 20. A method as recited in claim 18 further comprising wrapping a sealing layer over the granular material covered primary pipeline section.
- 20 21. A method as recited in claim 18 wherein applying a granular material comprises applying sand.
  - 22. A method as recited in claim 18 wherein the granular material comprises particles, and wherein a majority of said particles adhered around the primary pipeline section are in contact with the secondary pipeline section.
  - 23. A method for forming a double containment pipeline section comprising:
- forming a primary pipeline section having a granular material adhered over an outer surface of the primary pipeline section; and

forming a secondary pipeline section over the granular material wherein the granular material defines an annulus between the primary and the secondary pipes.

- 24. A method as recited in claim 23 wherein forming a primary pipeline section comprises:
- forming a primary pipeline section having tacky adhesive on its outer surface; and

applying a granular material on the adhesive forming a permeable layer around the primary pipeline section.

- 25. A method as recited in claim 23 wherein the granular material defines the annulus between the primary and secondary pipeline sections having a radial thickness no greater than about 1 mm.
- 26. A method as recited in claim 23 wherein the granular material comprises particles wherein a majority of said particles are in contact with the secondary pipeline section.
- 27. A method as recited in claim 23 wherein applying a granular material comprises applying sand.
  - 28. A method for forming a double containment pipeline section comprising:

forming a primary pipeline section;

forming a secondary pipeline section surrounding the primary pipeline section; and

applying a layer of granular material between the primary and secondary pipeline sections wherein the granular material comprises particles and wherein a majority of the particles are in contact with at least one of said primary and secondary pipeline sections.

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29. A method as recited in claim 28 wherein a majority of the particles are in contact with primary pipeline section and wherein a majority of the particles are in contact with the secondary pipeline section.

30. A method as recited in claim 28 wherein the granular material defines an annulus having a radial thickness no greater than about 1 mm.